

# Specifications

## RX-A3070 AV Receiver **AVENTAGE**

9.2  
ch



The RX-A3070 offered with black and titanium finish available in some areas.



### Output Power

<b>For North America</b>	<b>150 W per Channel</b> (8 ohms, 20 Hz-20 kHz, 0.06 % THD, 2 ch driven)
	<b>165 W per Channel</b> (8 ohms, 1 kHz, 0.9 % THD, 2 ch driven)
	<b>230 W per Channel</b> (8 ohms, 1 kHz, 10 % THD, 1 ch driven)

<b>For Euro</b>	<b>230 W per Channel</b> (4 ohms, 1 kHz, 0.9 % THD, 1 ch driven)
	<b>150 W per Channel</b> (8 ohms, 20 Hz-20 kHz, 0.06 % THD, 2 ch driven)

<b>For Others</b>	<b>150 W per Channel</b> (8 ohms, 20 Hz-20 kHz, 0.06 % THD, 2 ch driven)
	<b>220 W per Channel</b> (8 ohms, 1 kHz, 10 % THD, 1 ch driven)

### Standby Power Consumption

HDMI Control off, Standby Through Off	0.1 W
HDMI Control, Standby Through On, Network Standby Off	1.1 W
Network Standby On	1.8 W (wireless).

### Dimensions (W x H x D)

435 x 192 x 474 mm (with antenna up: 435 x 247 x 474 mm)  
17-1/8" x 7-1/2" x 18-5/8" (with antenna up: 17-1/8" x 9-3/4" x 18-5/8")

### Weight

18.1 kg; 39.9 lbs. (19.6 kg; 43.2 lbs. for GBFAT)

### Inputs

HDMI*1 (Audio Input Assignable*2, HDMI1-7:HDCP2.2 compatible)	8
Network (Ethernet / Wi-Fi)	1 / 1
USB*1	1
Radio (FM/AM)	1 / 1
Antenna (European and Australia models: FM/DAB)	1 / 1
Optical Digital	3
Coaxial Digital	3
Analogue Audio*1 (with Phono, XLR)	10
Component Video (Audio Input Assignable)	2
Composite Video*1	4

### Outputs

HDMI (HDCP2.2 compatible)	2 (Zone assignable)
Pre Out	11.2ch
Speaker*3*4	9 ch / 11 ter
Subwoofer	2 (stereo, front/rear, Mono x 2)
Headphone Jack*1	1

### Others

Zone 2 Audio Out with Volume and Tone Controls	1
Zone 3 Audio Out with Volume and Tone Controls	1
Remote In/Out	1 / 1
+12V / Total 0.1A Trigger Out	2
RS-232C	1
Terminal for Detachable Power Cable	1

\*1 Including front panel terminals.

\*2 Front HDMI input is not assignable.

\*3 Assignable for rear presence L/R to front presence L/R or Zone 2 or Zone 3.

\*4 Assignable for front presence L/R to bi-amp (front L/R) or Zone 2 or Zone 3.

\*Streaming service availability depends on regions.

DAB tuner only for European and Australia models.

# Features

## RX-A3070 AV Receiver **AVENTAGE**



### Main Features

- New CINEMA DSP Programme: Enhanced
- Dolby Atmos® and DTS:X™ support
- Dolby Atmos® and DTS:X™ with CINEMA DSP HD<sup>3</sup>
- AVENTAGE AV Receivers: Designed to Deliver the Highest Levels of Audio Performance
- ESS ES9026PRO SABRE DAC and SABRE9006AS Ultra DAC for ultra-high sound quality **NEW**
- **CINEMA DSP HD<sup>3</sup> with Rear VPS (Virtual Presence Speaker)**
- Aluminium Front Panel Offers Visual and Aural Benefits
- Anti Resonance Technology (A.R.T.) Wedge helps to ensure that vibrations do not affect sound quality
- **Advanced design feet enhance strength and vibration resistance (UCKLRS destination only) **NEW****
- Heavy legs to add more stability to the chassis (AGBFTJ destination only)
- H-shape cross member frame and rigid bottom frame / double bottom construction
- XLR input terminal for low noise signal transmission **NEW**
- MusicCast for audio enjoyment in every room
- DAB/DAB+ tuner for enjoying high quality digital radio broadcasts **NEW** (European and Australia models only)
- 9-channel powerful surround sound
  - 150 W per channel (8 ohms, 20 Hz-20 kHz, 0.06 % THD, 2 ch driven)
  - 165 W per channel (8 ohms, 1 kHz, 0.9 % THD, 2 ch driven)
  - 230 W per channel (8 ohms, 1 kHz, 10 % THD, 1 ch driven)
  - 230 W per channel (4 ohms, 1 kHz, 0.9 % THD, 1 ch driven)

- Wi-Fi Built-in and Wireless Direct Compatible for Easy Network
- **Bluetooth®** for wireless music streaming and Compressed Music Enhancer for **Bluetooth®**
- AirPlay®, Napster®, Spotify®, Pandora®, JUKE\*, Qobus\*, TIDAL\*, Deezer\* music streaming service and AV Controller app **NEW**  
\*Music service availability varies by region.
- DSD 2.8MHz / 5.6MHz direct playback, FLAC / WAV / AIFF 192kHz / 24bit, Apple Lossless 96kHz / 24-bit playback
- High-resolution Music Enhancer further heightens musicality from the original content
- **Latest HDMI® (8 in / 2 out) with 4K Ultra HD Full Support (4K / 60p [4:4:4]), HDR Video including Dolby Vision and Hybrid Log-Gamma, and BT.2020 pass-through **NEW****
- HDMI® with eARC (Audio Return Channel) **NEW**
- YPAO™-R.S.C. sound optimisation with 3D, 64-bit precision EQ calculation multi-point and angle measurement
- YPAO Volume to ensure natural sounds even at low volume
- Virtual Surround Back Speaker for playing 7.1-channel content with a 5.1-channel system
- Yamaha video processing optimises video content
- Advanced HDMI® Zone Switching allows unprecedented AV switching to multiple zones
- Versatile Zone control such as Zone 2 / 3 / 4 on / off, Zone GUI and Party mode
- ECO mode operation for about 20% less power consumption

# Features

RX-A3070 AV Receiver **AVENTAGE**

## Audio Features

- H-shape cross member frame and rigid bottom frame / double bottom construction
- Symmetrical power amplifier layout
- Heat sink with anti-vibration and anti-thermal properties
- Ultra-high performance 32bit ESS ES9026PRO SABRE DAC for 7 main channels **NEW**
- High speed thermal feedback power amplifier
- High quality Volume IC and Independent Pure Power Supply
- Ultra Low jitter PLL circuitry helps optimize sound imaging
- Extra 5th foot with Anti-Resonance Technology (A.R.T. Wedge) to reduce Vibration
- **Advanced design feet enhance strength and vibration resistance (UCKLRS destination only)** **NEW**
- **Heavy legs to add more stability to the chassis (AGBFTJ destination only)**
- XLR input terminal for low noise signal transmission **NEW**
- High Resolution Music Enhancer further heightens musicality from the original content
- DSD 2.8MHz / 5.6MHz direct playback
- FLAC or WAV 192kHz / 24-bit audio playback
- Apple Lossless audio playback
- Compressed Music Enhancer for *Bluetooth*<sup>®</sup>
- Phono input for vinyl playback
- Gold plated speaker terminals

## Video Features

- **Latest HDMI<sup>®</sup> (8 in / 2 out) with 4K Ultra HD Full Support (4K / 60p [4:4:4]), HDR Video including Dolby Vision and Hybrid Log-Gamma, and BT.2020 pass-through** **NEW**
- 4K video upscaling from analogue and HDMI<sup>®</sup> input

- Yamaha original video processing that optimises processing for each type of video content
- Motion adaptive and edge adaptive deinterlacing
- Multi-cadence (incl. 3-2 pull-down) detection
- Resolution enhancement (detail and edge enhancement)
- Video signal control (Contrast, Brightness, Saturation)

## Advanced Features

- MusicCast for audio enjoyment in every room
- *Bluetooth*<sup>®</sup> for wireless music streaming (SBC / AAC)
- DAB/DAB+ tuner for enjoying high quality digital radio broadcasts (European and Australia models only) **NEW**
- DAB/DAB+ and FM tuners both have 40 station preset memories (European and Australia models only) **NEW**
- Network functions
  - Wi-Fi Built-in (802.11b/g/n)
  - Easy Wi-Fi setup i.e. iOS Wi-Fi settings sharing, WPS etc.
  - AirPlay<sup>®</sup> allows music streaming from Mac, PC, iPod, iPhone, iPad
  - AV Controller app for operating various functions from iOS or Android smartphones and tablets
  - Access to:
    - Internet Radio (airable radio): MP3, WMA Streaming Services (Napster<sup>®</sup>, Spotify<sup>®</sup>, Pandora<sup>®</sup>, JUKE<sup>®</sup>, Qobuz<sup>®</sup>, TIDAL<sup>\*</sup>, Deezer<sup>®</sup>) **NEW**
- \*Music service availability varies by region.
- Music files on PC / NAS: WAV, MP3, WMA, AAC, FLAC, Apple Lossless, AIFF, DSD
- DLNA<sup>®</sup> 1.5 certified
- Triggered Auto Playback with MusicCast devices **NEW**
- Gapless playback compatibility allows play without interruption
- Front panel USB Digital Connection for USB thumbdrives

- Advanced GUI on-screen display with HD capability
- HDMI<sup>®</sup> with eARC (Audio Return Channel) **NEW**
- YPAO<sup>™</sup>-R.S.C. sound optimisation with 3D, 64-bit precision EQ calculation multi-point and angle measurement
- High sensitivity YPAO<sup>™</sup> microphone for more precise measurement
- Video out feature (for TUNER / USB / NET / *Bluetooth*<sup>®</sup>)
- SCENE PLUS - simple and versatile functionality
  - 12 SCENE choices (4 on front panel and others on GUI)
  - Selectable BD/DVD, TV, FM/AM radio and Net Radio stations, tune-in NAS **NEW**
  - Zone SCENE - 4 SCENE buttons for Zone 2 / 3 / 4
  - HDMI<sup>®</sup> CEC powers up compatible TVs and Blu-ray Disc<sup>™</sup> players
  - Versatile parameters can be stored into each SCENE

## Surround Realism

- 11-channel expandability
- CINEMA DSP HD<sup>3</sup> expands the sound field vertically for more thrilling and realistic surround sound
- Dolby Atmos<sup>®</sup> and DTS:X<sup>™</sup> with CINEMA DSP HD<sup>3</sup>
- **CINEMA DSP HD<sup>3</sup> with Rear VPS (Virtual Presence Speaker)**
- New CINEMA DSP Programme: Enhanced (Total 44 DSP programmes)
- Rear presence channel support for maximum 3D sound effect
- Compressed Music Enhancer with CINEMA DSP
- Dialogue Lift ensures that dialogue comes from the centre of the screen
- Dialogue Level Adjustment for proper sound balance with dialogue and vocals

- Virtual Presence Speaker function for CINEMA DSP HD<sup>3</sup> surround without Front Presence Speakers
- Virtual CINEMA FRONT provides virtual surround sound with 5 speakers in front
- Virtual Surround Back Speaker for playing 7.1-channel content with a 5.1-channel system
- YPAO<sup>™</sup> Volume to ensure natural sounds even at low volume
- Zone Extra Bass for more powerful bass sound in another room (Zone 2 and 3)
- Zone Volume Equalizer for optimum sound balance in another room (Zone 2 and 3)
- Extra Bass enriches the powerful bass sound even with small speakers
- SILENT CINEMA to enjoy surround sound with headphone

## Versatile Zone Control

- Pre-out terminal for Zone 2 with volume control
- Advanced HDMI<sup>®</sup> Zone Switching allows various input sources to be output via HDMI<sup>®</sup> and enjoyed in different rooms
- Zone 2 / 3 / 4 on/off and control on front panel
- Zone GUI (song / station selection, album cover art display)
- System Backup / Recovery function
- Zone mono, Zone volume, Zone tone controls, Zone balance, Zone audio delay and Party mode

## Eco-Friendly Design

- ECO mode operation for about 20%<sup>\*</sup> less power consumption
- \*Compared to power consumption when ECO mode is off (Yamaha measurement)
- Low standby power consumption of 0.1W
- Auto power standby function with variable time setting